

ABSTRACT

An apparatus, system and method for improving the SNR of a desired signal received at a receiver in a multiple access communication system is disclosed. The apparatus,
5 system and method subtracts known or knowable signals from the total signal received at the receiver and the desired signal is then determined from the result of the subtraction. The known, or knowable, signals can be synchronization signals or other interfering channel signals transmitted by the transmitter, such as a wireless network base station, serving the receiver, such as a subscriber station in such a wireless network, and/or can be such signals
10 transmitted by another transmitter, such as an adjacent base station, or an adjacent sector in multi-sector systems.